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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/730,219	12/05/2000	Ghassan Chidiac	YOR920000746US1	9167
7590	04/22/2004		EXAMINER	
Marc A. Ehrlich Intellectual Property Law Dept. IBM Corporation P.O. Box 218 Yorktown Heights, NY 10598			SANTOS, PATRICK J D	
			ART UNIT	PAPER NUMBER
			2171	8
			DATE MAILED: 04/22/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	09/730,219	CHIDIAC ET AL.
	Examiner	Art Unit
	Patrick J Santos	2171

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 05 December 2000.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-23 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 05 December 2000 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date: _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>3/03-12-2001</u> . | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1, 5, 12, 16, and 23 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 5,608,874 to Ogawa et al. (hereafter Ogawa '874).

Claim 1:

Regarding Claim 1, Ogawa '874 discloses: a method for selecting a file format from a plurality of stored file formats for use in performing a translation from said selected file format to a requested file format (Ogawa '874: Abstract), the method comprising the steps of:

- receiving a request for a data file in a requested format (Ogawa '874: col. 33, ln. 48 to col. 34, ln. 59); and
- determining an optimal file format from a plurality of stored files for use in performing said translation to said requested file format (Ogawa '874: col. 34, lns. 60-64).

Claim 5:

Regarding Claim 5, Ogawa '874 discloses all the limitations of Claim 1 (supra). Further note that Ogawa '874 discloses: wherein said determining step further includes the step of consulting an optimized list of file formats from which to perform said translation of said stored

data file to the requested file format (Ogawa '874: col. 16, lns. 18-23). Note that the "Subscriber Translation Information" of Ogawa '874 reads on an optimized list of file formats.

Claims 12 and 16:

Claims 12 and 16 are the apparatus embodiment of Claims 1 and 5 respectively and are rejected on the same basis.

Claim 23:

Regarding Claim 23, Ogawa '874 discloses: an apparatus for selecting a file format from a plurality of stored file formats for use in performing a translation from said selected file format to a requested file format, said apparatus comprising:

- an interface element for receiving a request for a data file in a requested format (Ogawa '874: col. 12, lns. 1-10; col. 13, lns. 8-13; and col. 22, lns. 4-13); and
- a translation optimization logic coupled to said interface for determining an optimal file format from a plurality of stored files for use in performing said translation to said requested file format (Ogawa '874: col. 33, ln. 48 to col. 34, ln. 64).

3. Claims 1-5, 7-8, 12-16, 18-19, and 23 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 6,549,918 to Probert et al. (hereafter Probert '918).

Claim 1:

Regarding Claim 1, Probert '918 discloses: a method for selecting a file format from a plurality of stored file formats for use in performing a translation from said selected file format to a requested file format (Probert '918: Abstract), the method comprising the steps of:

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- receiving a request for a data file in a requested format (Probert '918: col. 13, lns. 16-28); and
- determining an optimal file format from a plurality of stored files for use in performing said translation to said requested file format (Probert '918: col. 13, lns. 28-34; col. 3, lns. 18-25).

Claims 2-5:

Regarding Claims 2-5, Probert '918 discloses all the limitations of Claim 1 (supra).

Further note that Probert '918 discloses:

- (Claim 2) wherein said determining step is based upon minimizing data loss from said translation (Probert '918: col. 4, lns. 16-25).
- (Claim 3) wherein said determining step is based upon minimizing the file size of the translated data file (Probert '918: col. 4, lns. 16-25).
- (Claim 4) wherein said determining step is based upon the requested file format and the available stored file formats (Probert '918: col. 4, lns. 16-25; col. 4, lns. 35-40).
- (Claim 5) wherein said determining step further includes the step of consulting an optimized list of file formats from which to perform said translation of said stored data file to the requested file format (Probert '918: col. 10, lns. 31-34).

Claims 7-8:

Regarding Claim 8, Probert '918 discloses all the limitations of Claim 5 (supra). Further note that Probert '918 discloses:

- (Claim 7) wherein said optimized list is consulted if the stored data file is stored in a plurality of formats (Probert '918: col. 10, lns. 31-34; and additionally col. 4, lns. 47-57;

col. 8, ln. 60 to col. 9, ln. 18). Note that the Native Structured Storage (NSS) of Probert '918 is a data file stored in a plurality of formats.

- (Claim 8) wherein said consulting step further includes selecting one of said optimized list from a plurality of said optimized lists (Probert '918: col. 10, lns. 31-34). Note that Probert '918 discloses storing an optimized list on a per-file basis. Thus Probert '918 is disclosing storing multiple optimized lists, and chooses an optimized list that matches a file to be converted.

Claims 12-16 and 18-19:

Claims 12-16 and 18-19 are the apparatus embodiment of Claims 1-5 and 7-8 respectively and are rejected on the same basis.

Claim 23:

Regarding Claim 23, Probert '918 discloses: an apparatus for selecting a file format from a plurality of stored file formats for use in performing a translation from said selected file format to a requested file format, said apparatus comprising:

- an interface element for receiving a request for a data file in a requested format (Probert '918: col. 13, lns. 18-27); and
- a translation optimization logic coupled to said interface for determining an optimal file format from a plurality of stored files for use in performing said translation to said requested file format (Probert '918: col. 3, lns. 18-25).

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 6, 9-11, 17, and 20-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Probert '918 in view of U.S. Patent No. 5,613,124 issued to Atkinson et al. (hereafter Atkinson '124).

Claim 6:

Regarding Claim 6, Probert '918 discloses all the limitations of Claim 5 (supra). However, Probert '918 does not explicitly disclose: wherein said list is indexed by said requested file format.

Atkinson '124 discloses Structured Storage (TM), distributed by Microsoft Corporation (TM) a well known means of persisting data having a variety of formats into a single object persistence file. Specifically, Atkinson '124 discloses: wherein said list is indexed by said requested file format (Atkinson '124: col. 17, lns. 49-66; col. 14, lns. 8-23). Note that the "enumerator of formatetcs" of Atkinson '124 reads on a format type list indexed by requested file format.

It would have been obvious to a person having ordinary skill in the art to apply the indexed list of Atkinson '124 to the method of Probert '918. The motivation to accomplish said application is suggested by Probert '918 which discloses the use of Structured Storage (TM) as part of the method (Probert '918: col. 8, ln. 60 to col. 9, ln. 13).

Claim 9:

Regarding Claim 9, Probert '918 discloses all the limitations of Claim 8 (supra).

However, Probert '918 does not explicitly disclose: wherein the ordering of said optimized lists is based on criterion regarding the translation to be performed on the stored data file.

Atkinson '124 discloses: wherein the ordering of said optimized lists is based on a criterion regarding the translation to be performed on the stored data file (Atkinson '124: Fig. 4; col. 6, lns. 20-41; col. 17, lns. 28-38). Note that the "enumerator of formatetcs" of Atkinson '124, is implementation specific and thus reads on being based on a criterion regarding the translation to be performed on the stored data file.

It would have been obvious to a person having ordinary skill in the art to apply the indexed list of Atkinson '124 to the method of Probert '918. The motivation to accomplish said application is on the same basis as Claim 6 (supra).

Claim 10:

Regarding Claim 10, Probert '918 and Atkinson '124 in combination disclose all the limitations of Claim 9 (supra). Further note that Probert '918 and Atkinson '124 in combination disclose: wherein said criterion is defined by the received request (Atkinson '124: Fig. 4; lns. 20-41; col. 17, lns. 28-38). Note that the "enumerator of formatetcs" of Atkinson '124, is implementation specific and thus reads on being based on a criterion defined by the received request.

Claim 11:

Regarding Claim 11, Probert '918 and Atkinson '124 in combination disclose all the limitations of Claim 6 (supra). Further note that Probert '918 and Atkinson '124 in combination disclose: the method further comprising the steps of:

- accessing a portion of said optimized list ordered based upon the requested file format; determining whether one or more of said listed file formats exists as one of said stored file formats (Probert '918: col. 10, lns. 31-34); and
- selecting from said optimized list the optimal file format that is determined to exist as a stored file format (Probert '918: col. 10, lns. 31-34).

Claims 17 and 20-22:

Claims 17 and 20-22 are the apparatus embodiment of Claims 6 and 9-11 respectively and are rejected on the same basis.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrick J.D. Santos whose telephone number is 703-305-0707. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on 703-308-1436. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patrick J.D. Santos
April 16, 2004



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